

# Firm Builds Drill Rig for World Market

## National Supply Division, Armco Steel, Has Products Working Around World

Forged forming rolls for a new pipe mill in Canada. Bridge-bearing castings for a state highway in Washington. A bull gear and shaft for a dredge ship in California. Drilling rigs for use at points as distant as India and Libya.

These are among the products completed within the past year at the Torrance plant, National Supply Division, Armco Steel Corporation.

The plant, which is operated primarily for the manufacture of oil field machinery and equipment, also turns out a wide variety of other products. Because of its size and equipment, the plant is able to do many large and unusual jobs as well as to turn out quantities of precision-made products of normal size and design.

### UNUSUAL JOBS

One of the unusual jobs of the past year consisted of two 16-inch interceptor valve bodies to control the flow of steam to blades of a steam turbine. Made of a special chrome-moly steel that was melted in one of the electric furnaces at the plant, each was forged and then was machined to a finish weight of around 4000 pounds.

The plant also made a 20,000-pound spindle housing and a number of other components for a 120-inch spin forge machine produced by a west coast manufacturer.

Although much of the contract work is for Pacific coast industries, the plant is now producing five 35,000-pound ladles for the Butler, Pa., plant of the Armco Steel Corporation. Construction of the pattern and core boxes from which the ladles were cast required 3000 feet of lumber. Skill was necessary both in making the pattern and in casting as the casting tolerance had to be kept within one-fourth inch.

The Torrance plant now manufactures all National Supply drilling rigs, ranging from the smallest, rated at 200 horsepower, to the largest, rated at 2500 horsepower. Included are the new Model 200 and Model 300-B Work-over Rigs, which, with their

masts, are mounted on specially designed trucks for speedy transportation.

### RIGS SHIPPED

Two Torrance-made National Supply rigs were shipped to India during the past year as part of the largest single shipment of oil well drilling equipment from the United States to that country.

Built in 1912, the Torrance plant was acquired by National Supply Company in 1920. National Supply was merged with Armco Steel Corporation in 1958, and has operated as a division of that corporation since January 1, 1961.

The Torrance plant helped the National Supply Division establish an all-time low frequency record for 1960 in the safety contest conducted by Armco, having the best safety record of the five National Supply plants.

## McDonald's Chain Reports High Sales Gross for 1960

Gross sales of the McDonald's hamburger drive-in chain totaled \$38,018,036 in 1960, an increase of 77 per cent in sales volume over the previous year, reported Ray A. Kroc, president of McDonald's Corp. with national offices in Chicago. Sales total for 1959 were \$21,438,041.

A total of 82 new drive-ins representing an investment of \$10,250,000 were opened by the chain during the 12-month period of 1959, bringing the number of units in the McDonald's chain to 230 in 31 states.

Local McDonald's drive-in in Torrance at 17305 Crenshaw Blvd., is operated by Ron Daley.

More than 150 million hamburgers were by McDonald's in 1960 and the total since inception of the chain in April 1955, now exceeds the 450 million mark, Kroc stated. A total of 7,000 tons of beef was used by McDonald's units during 1959.



JERRY EVANS

... regional manager

## Metal Removal Revolutionized By Dyna Systems' Computer

As new hard-to-machine alloys made their appearance, Dyna Systems, Inc., located at 4030 W. Spencer St., developed the Tornetic computer in order that standard tools could machine these materials.

"All materials yield to a cutting tool at some specific speed and feed. This yield will vary in a single material, during a single operation, with the same cutting tool," this principle, discovered after 20 years of research and production, led to the development of the Tornetic.

Associated Aircraft Drilling Company, mother company of Dyna Systems, with years of experience drilling all types of metals, found to properly machine a given material requires a sensitivity and reaction speed far greater than the human touch. The answer? Tornetic.

This computer is unlimited in application where torque control is a factor. Besides its use with standard equipment, it is also finding wide application in highly specialized

fields which require elimination of the "human element." Tornetic computer, electronic system of metal removal, is used in drilling, tapping, milling and turning.

Features of the new electronic oscillating tapping set-up consists of a control box and a direct current constant motor. Controls can be used on conventional drill presses to convert them into a tapping machine.

A potentiometer, on the front of the control box of the computer allows the choice of infinite increments of torque up to the full output of the motor.

Another device on the front of the control box allows a choice of the amount of oscillation applied to the tap.

Yes, the solution to the problems of metal removal has been found, Tornetic, allowing the tapping of exotic metals with safety, ease, and offering torque meter, cycle control, speed control and preventing tap breakage.

Use classified. Call DA 5-1515

## Jerry Evans Is Regional Manager of National Supply

Jess D. McClendon has been appointed regional manager of sales, E. G. Krig regional manager of services, and Charles A. Chandler regional manager of merchandising for the Western Region, National Supply Division, Armco Steel Corporation.

The region, which has its headquarters in Torrance, is responsible for the division's sales of oil field machinery and equipment in the western United States, including Alaska and Hawaii. Jerry L. Evans is regional manager.

The changes are part of a comprehensive realignment of National Supply's field sales organization throughout the United States. Nationally, six divisional sales organizations were consolidated into four regional organizations. Eighteen district organizations were combined into eight area organizations.

Evans started with National Supply in 1922. He has worked in stores at Brea, Bakersfield, Santa Fe Springs, and Taft, Calif. He was named store manager at Long Beach in 1928, was made district manager at Torrance in 1938, and has been division manager of the Western, formerly California Division since 1940.

McClendon joined National Supply in 1925. He has served as store manager at Bakersfield, Huntington Beach, Long Beach, and Venice, Calif. He was appointed special credit representative and salesman at the Los Angeles office in 1936 and later served as supervisor of stores and assistant division sales manager. He was appointed division tubular manager in 1956 and

Division sales manager in 1957.

Krig started with National in 1946. He was promoted to supervisor, merchandise order control in 1951; administrative assistant to division manager in 1954, and staff assistant to division manager in 1960, all at Torrance.

Chandler has been with National since 1935. He served as store manager at Wilmington, Calif., sales engineer for the Long Beach District, and district manager for the Los Angeles Basin. He was appointed district manager for the Southern and Coastal areas in 1947, and later became district manager of the California District.

## New Office Announced by Marvin Donsker

On March 1 Donsker Realty will open a new office at 2220 Sepulveda Blvd., Torrance, under the management of Pete Petersen.

This will mark the second office under Pete Petersen's management.

Marvin Donsker stated that Donsker Realty will continue to specialize in the sale of residential homes and income properties in the greater Torrance area.

He further expressed his thanks to his customers in the past for making this new office possible.

For any real estate problem or desired information drop in at Donsker Realty at either 4333 Redondo Beach Blvd. or 2220 W. Sepulveda Blvd.

## History of Torrance

A lone adobe house constructed in 1784 by Juan Jose Dominguez on his estate known as Rancho San Pedro was the first sign of civilization on the land which was to grow into several booming communities, one of which was Torrance, Southern California's planned industrial city.

In 1911, Jared S. Torrance, for whom Torrance is named, bought 3500 acres from the Dominguez holdings and established a community which was to grow into one of the most diversified cities in America.

Torrance, "the perfectly balanced community," maintaining an equilibrium in its industry, agriculture, commerce and residential areas, was incorporated as a city in 1921.

Interest in the area as an industrial center began in 1912 with the establishment of the Union Tool Company plants, now the National Supply Company.

Other industrialists saw the advantages of locating in Torrance and have since made it one of the prime manufacturing centers of Southern California.

Strategic location of the city, located on two major rail lines, just "next door" to the great Los Angeles-Long Beach Harbor, is one of the factors which has brought Torrance to prominence in the Southland.

Yes, a progress report on the growth of our city, if brought home to "Papa Dominguez," would earn the community and those in it proud approval.

The old man would be proud to see how his lone adobe house was the seed which led to the establish-

ment of a community with a population exceeding 106,000 and containing more than 175 industries.

## Southern County Area Served by Compton Disposal

In 1946 John and Norman Kazarian organized Compton Disposal Company. For the past eight years, they have been serving the city of Compton as well as servicing the industrial and commercial industries of the southern half of Los Angeles County.

The following are four of the types of service Compton Disposal Company gives their customers.

Portable rubbish bodies for industrial and commercial accounts.

Provide bin service 3 cubic yard containers for industrial and commercial accounts.

Barrel service on wheels in multiples of two units.

Servicing of customers own containers.

Equipment of the latest design and custom-built is used by Compton Disposal Company.

For service or further information call NEwmark 5-3071 or NEwmark 5-5721. Because of the discontinuing of industrial and commercial pickup by the City of Torrance, Compton Disposal Company is available for service with a telephone call, stated one of their spokesmen.

### SERENITY

Some interior decorators create a feeling of serenity using the warm autumn tones of fawnstern red cedar paneling for walls in dens and family rooms.

## There's a New Name at the Oldest Plant in Torrance

When Jared Sidney Torrance began talking about the model city he planned to build, the first company to express interest was Union Tool, a subsidiary of the Union Oil Company. Organized to manufacture and distribute oil field equipment, Union Tool had outgrown its Los Angeles plant, and sought a new location. The company bought a 25-acre site in Torrance, and spent more than \$800,000 to erect the city's first manufacturing plant, opened in 1912.

A new name appeared above the plant in 1920, when Union Tool was bought by The National Supply Company. Under National Supply management, the plant grew to be the largest completely integrated machinery manufacturing plant in the west, occupying a 39-acre tract in the area extending from Border Avenue to Western Avenue and from Carson Street to 213th Street.

Now the plant carries another familiar name. The National Supply Company merged with Armco Steel Corporation in 1958, and since January 1, 1961,

has operated as the National Supply Division.

Founded in 1900, Armco Steel Corporation has grown to be one of the world's largest integrated steel producers. Starting with raw materials from its own mines and quarry, Armco carries out all of the complex processes in making steel, from the blast furnaces to finished products. Through the National Supply Division, Armco extends its range of services to the petroleum industry and to many other west coast industries.

"Armco Policies," in effect since 1919, are intended to "bring about a condition of mutual confidence and create a spirit of sympathy and real cooperation between the members of its working organization, its customers, its stockholders, and the citizens of communities in which its plants would be located." Because these policies are similar to the principles under which the plant has operated for many years, we are proud to be part of the great Armco family.

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